

**APPARATUS AND METHOD FOR AUTONOMICALLY DETECTING
RESOURCES IN A LOGICALLY PARTITIONED COMPUTER SYSTEM**

ABSTRACT OF THE DISCLOSURE

A partition manager includes a resource detection mechanism that uses a
5 persistent resource database to determine which resources were seen previously, and to
determine which resources are required for a logical partition to start. Once all required
resources for a logical partition are detected, the logical partition is started. In this
manner, a logical partition may be started as soon as all of its resources are available,
without waiting on the resources of other logical partitions. In addition, a missing
10 required resource will prevent a logical partition from starting, thus avoiding the crash of
a logical partition due to missing resources.